

DP-301891

TUNABLE CONTROL SIDE AIR BAG CUSHION

ABSTRACT OF THE DISCLOSURE

An air bag assembly in a vehicle having an inflator for generating inflation gas and an air bag cushion deployable upon generation of gas by the inflator. The air bag cushion includes a first inflatable portion which is proximal to the inflator for cushioning the torso of the vehicle occupant. The air bag cushion further includes a second inflatable portion distal from the inflator for cushioning the head of the vehicle occupant. A plurality of expansion restraining elements extend from opposing lateral sides of the air bag cushion at differing latitudes along the air bag cushion between the first and second inflatable portions. The expansion restraining elements extend partially but not completely across the width of the air bag cushion so as to partially restrict the flow of inflation gas from the first inflatable portion into the second inflatable portion while defining the flow path of the inflation gas between the first and second inflatable portions.

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